

One Drexel Plaza 3001 Market Street, Suite 200 Philadelphia, PA 19104 T: 215-222-3000 F: 215-222-3588

www.pennoni.com

November 25, 2020

CFTSA 20001

Ms. Valerie Hoxter, Sewer Authority Manager 10 Ring Road Chadds Ford, PA 19317

RE:

Sewer Feasibility Application Glen Mills Veterinary Hospital 1785 Wilmington West Chester Pike Chadds Ford Township, Delaware County, Pa

Dear Valerie:

As a follow up to the sewer feasibility application and letter provided on March 3, 2020, the Applicant's Engineer has supplied a copy of the plumbing plan associated with the proposed building addition to the existing facility at the above referenced location. A copy of the plan is attached for reference.

The plumbing plan confirms the proposed connection of the additional fixtures and the requirement of one (1) additional EDU for the proposed building addition. This EDU will also eliminate the need for the Applicant to acquire an additional EDU based on historic overuse.

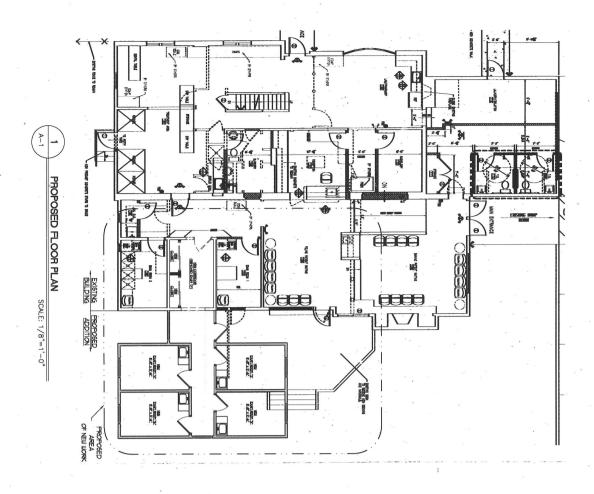
Therefore, I am recommending approval of the feasibility contingent upon review and approval of the Sewer Authority Solicitor and Board.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

PENNONI ASSOCIATES INC.

Thomas Leisse, PE Authority Engineer



LEGEND

EXISTING WALL TO BE REMOVED (FRAME OR MASONRY)

NEW WALL TO BE CONSTRUCTED
2x4 WOOD STUDS @ 16" O.C. WITH 3 1/2"
SOUND BATT INSULATION AND LAYER OF 5/8"
GYP. BOARD ON EACH. SIDE

EXTERIOR WALLS ARE TO HAVE 5/8" SHEATHING AND WOOD SIDING TO MATCH EXISTING ON EXTERIOR SIDE

EXISTING WALL TO REMAIN (FRAME OR MASONRY)

THEREFORE, THE PROPOSED BUILDING ADDITION REQUIRES ONE(1) ADDITIONAL EDU GIVING THE APPLICANT TWO(2) EDU'S OR 530 GPD RESULTING IN A SURPLUS OF 104 GPD. ASSUMING (3) NEW FIXTURES REQUIRING 100 GPD(3x33.3 GPD = 100 GPD) OR 0.37 EDU'S, THE ANTICIPATED FLOW IS 326+100=426 GPD(1.60 EDU'S).

6) BASED ON UTILITY BILLS, THE CURRENT AVERAGE DAILY USE FOR SEVEN DAY OPERATION FROM SEPT. 10, 2019 – DEC. 10, 2019 WAS 326 GALLONS PER DAY(GPD) OR 1.23 EDU'S. AND FROM DEC. 11, 2019 – MARCH 11, 2020 WAS 262 GPD OR 1 EDU. 5) THREE ADDITIONAL FIXTURES AT 3,000 GAL, PER FIXTURE = 9,000 ADDITIONAL GALLONS USAGE PROPOSED FOR A TOTAL USAGE OF 39,000 GALLONS/QUARTER.

4) BASED ON CURRENT UTILITY BILLS, THE QUARTERLY USE IS 30,000 GALLONS OR 333 GALLONS PER DAY(GPD), 333 GPD/10 EXISTING FIXTURES = 33.3 GALLONS PER DAY(GPD) AVERAGE PER FIXTURE (3,000 GALLONS/FIXTURE PER QUARTER).

3) TOTAL NUMBER OF PROPOSED FIXTURES = 13 (11 SINKS AND 2 TOILETS)

2) TOTAL NUMBER OF EXISTING FIXTURES = 10
(8 SINKS AND 2 TOILETS)
3) TOTAL NUMBER OF EXISTING FIXTURES = 10 NOTES

1) CURRENT EDU'S OWNED = 1 @ 265 GA

ARCHITECTURE

SITE PLANNING

CODE SERVICES

LINN ARCHITECTS 1140 N. PROVIDENCE ROAD MEDIA, PENNSYLVANIA 19063

TEL: 610-566-7044

FAX: 610-566-3258



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0		HEET NO.	DATE	REVISIONS			PROPOSED FLOOR PLAN	
2018			11/2/20	NO.	DESCRIPTION	DATE	TROTOSED TEOOR TEAR	
18	A-1		SCALE				NEW ADDTION	
			1/4"=1'-0"	L			11211 /15511011	
			DRAWN BY				GLEN MILLS ANIMAL HOSPITAL	
			CHECKED BY				1785 WILMINGTON PIKE	
SH	EET x OF	x	PROJ. NO. 19318				CHADDS FORD, PA	
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